

Title (en)
TIME-FREQUENCY RESOURCE ALLOCATION METHOD AND APPARATUS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR ZUWEISUNG VON ZEITFREQUENZRESSOURCEN

Title (fr)
PROCÉDÉ ET APPAREIL D'ATTRIBUTION DE RESSOURCES TEMPS-FRÉQUENCE

Publication
EP 3439332 A4 20190717 (EN)

Application
EP 17788568 A 20170321

Priority
• CN 201610266301 A 20160426
• CN 2017077442 W 20170321

Abstract (en)
[origin: EP3439332A1] Embodiments of this application provide a time-frequency resource allocation method and apparatus. The method includes: determining, by a network device, N terminal device types based on a current movement speed of a terminal device within a coverage area, where the N terminal device types are in a one-to-one correspondence with N demodulation reference signals DMRSs with different time domain densities; classifying, by the network device, available time-frequency resources into N time-frequency resource groups based on the N terminal device types, where a first DMRS in the N DMRSs is configured for a first time-frequency resource group in the N time-frequency resource groups; and sending, by the network device, resource indication information to the terminal device based on the N time-frequency resource groups. The time-frequency resource allocation method and apparatus in the embodiments of this application provide can ensure accuracy of the network device in estimating a channel of the terminal device, and can avoid excessive DMRS overheads in a time-frequency resource used by the terminal device, thereby ensuring transmission efficiency of uplink data.

IPC 8 full level
H04L 5/00 (2006.01); **H04W 4/02** (2018.01); **H04W 72/04** (2009.01)

CPC (source: CN EP US)
H04L 5/0037 (2013.01 - EP US); **H04L 5/0048** (2013.01 - CN EP US); **H04L 5/0085** (2013.01 - EP US); **H04L 5/0094** (2013.01 - EP US); **H04W 4/02** (2013.01 - EP); **H04W 4/027** (2013.01 - CN); **H04W 72/04** (2013.01 - EP US); **H04W 72/044** (2013.01 - US); **H04W 72/0446** (2013.01 - CN); **H04W 72/0453** (2013.01 - CN); **H04W 72/23** (2023.01 - CN); **H04W 72/51** (2023.01 - CN US); **H04L 5/0007** (2013.01 - EP US); **H04L 5/0069** (2013.01 - EP US)

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3439332 A1 20190206; **EP 3439332 A4 20190717**; **EP 3439332 B1 20211201**; CN 107318086 A 20171103; CN 107318086 B 20200320; US 10645688 B2 20200505; US 2019069282 A1 20190228; WO 2017185915 A1 20171102

DOCDB simple family (application)
EP 17788568 A 20170321; CN 201610266301 A 20160426; CN 2017077442 W 20170321; US 201816170730 A 20181025